

Product datasheet for **MG205262**

BC004004 (NM_030561) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC004004 (NM_030561) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BC004004
Synonyms:	2400006G15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205262 representing NM_030561 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTTGCTGCTAATGAGATCAGCATCTATGACAACTTTCAGAGACTGTTGATTTGGTGAGACAGA
CAGGCCATCAGTGTGGAATGTCCGAGAAGGCAATCGAAAAATTTATCAGACAGCTACTGGAAAAGAAATGA
ACCTCAAAGGGGACCACCCAGTACCCTCTCCTTATAGCCGTGTATAAGGTCCTCCTAACTCTGGGATTA
ATCTTGTTCACTGCTACTTTGTAATTCAGCCTTTTAGCTCATTAGCACCCGAGCCAGTGCCTTCTGGAG
CGAACAGCTGGCGCTCACTCGTTCATCACATTCGGCTGGTGTCTTGCCATTACCAAGAAGTATATGCC
AGAGAATAAGGGCGTTCCTCTGCAAGGGAGCCAGGAGGACAAACCCTTCCAGACTTTGACCCCTGGTCA
TCATATAATTGTGAGCAGAACGAGTCAGAGCCATCCCTGCCAACTGCACTGGCTGTGCCAGATATTAC
CCCTCAAGGTAACGCTGCCAGAAGACTCCAAAGAATTTGAGAGACTCCGTCCTCTGGTGATCAAGAC
AGGACAGCCTCTGTCTGTCAGAGATTAGGGCTTCTCATGCCAGTACCCTGAAGTCACAGAGGGCTTC
ACCGAGGGCTTTTTACCAAGTGGTGGCGCTGCTTCTGAGAGGTGGTCCCATTTCTTACCCATGGA
GAAGACCTCTAAACAGATCACAGATTTACGGGAACCTTTCCCTGTTTTTACCAACTTCCATTTCCAAA
AGACTCCTCCTTAAACAAATGTTTCTGATCCAGCCGGAACCTGTGGTGGTAGCAAGATGCATAAGGTG
CATGACCTGTTACCCCTCGCAGCGGGGAAGCCATGTTGCAGTCATCCCTCCCTCCAGTGCCGAACAC
ACTGTCAAGTCCGTGGCCATGCCGATAGAGTCTGGAGATATTGGCTATGCCGATGCTGCCACTGGAAGGT
CTACATCGTAGCCAGAGGGTCCAGCCTTTGGTCTGCGATGGAACCACTCTCTCGGAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205262 representing NM_030561
 Red=Cloning site Green=Tags(s)

MDLAANEISIIDKLSSETVDLVRQTGHQCGMSEKAIEKFIHQLEKNEPQRGPPQYPLLIIVYKVLTLGL
 ILFTAYFVIQPFSSLAPEPVLSGANSWRSLVHHIRLVSLPITKKYMPENKGVPLQGSQEDKPFDFDPWS
 SYNCEQNESEPIPANCTGCAQILPLKVTLPEDTPKNFERLRPLVIKTGQPLSSAEIQGFSCQYPEVTEGF
 TEGFFTKWRCFPERWFFPYWRRPLNRSQILRELFPVFTQLFPKSSLNKCFLIQPEPVVGSKMHKV
 HDLFTLGSGEAMLQLIPPFQCRTHCQSVAMPIESGDIGYADAAHWKVYIVARGVQPLVICDGTTLSEL

TRTRPLE - GFP Tag - V

Restriction Sites:

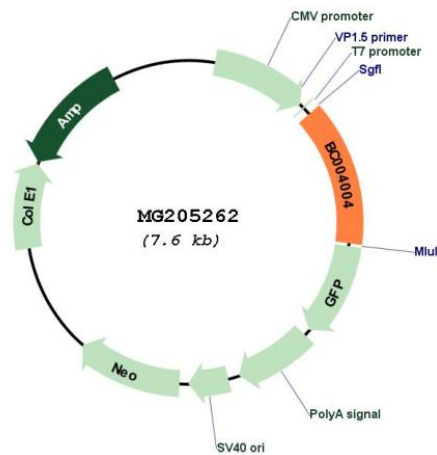
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_030561

ORF Size: 1044 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_030561.1
RefSeq Size:	2627 bp
RefSeq ORF:	1047 bp
Locus ID:	80748
UniProt ID:	Q99KU6
Cytogenetics:	17 A3.3
Gene Summary:	Exhibits histone deacetylase (HDAC) enhancer properties. May play a role in cell cycle progression and wound repair of bronchial epithelial cells.[UniProtKB/Swiss-Prot Function]